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Profile | Chart | objc_msgSend | vecCGSFill8by1 | vecCGSColorMaskCopyARGB8888

Source | Assembly

Samples	Address	Code		Cycles	!	Comment	Source
	0x9083129c	stfd	f2,-96(r1)	3:3			
	0x908312a0	stfd	f3,-88(r1)	3:3			
	0x908312a4	stfd	f4,-80(r1)	3:3			
	0x908312a8	stfd	f5,-72(r1)	3:3			
	0x908312ac	stfd	f6,-64(r1)	3:3			
	0x908312b0	stfd	f7,-56(r1)	3:3			
	0x908312b4	stfd	f8,-48(r1)	3:3			
	0x908312b8	stfd	f9,-40(r1)	3:3			
	0x908312bc	stfd	f10,-32(r1)	3:3			
	0x908312c0	stfd	f11,-24(r1)	3:3			
	0x908312c4	stfd	f12,-16(r1)	3:3			
	0x908312c8	stfd	f13,-8(r1)	3:3			
	0x908312cc	stwu	r1,-160(r1)	3:1			
	0x908312d0	lwz	r3,0(r3)	3:1			
	0x908312d4	bl	$+524 <_class_lool	1:1			
	0x908312d8	mr	r12,r3	1:1			
	0x908312dc	mtctr	r3	*2:2			
	0x908312e0	lwz	r1,0(r1)	3:1		Stall=2	
	0x908312e4	lwz	r0,8(r1)	3:1		Stall=2	
	0x908312e8	mtlr	r0	*2:2	!	Serializing	
	0x908312ec	lfd	f1,-104(r1)	4:1			
	0x908312f0	lfd	f2,-96(r1)	4:1			
	0x908312f4	lfd	f3,-88(r1)	4:1			
	0x908312f8	lfd	f4,-80(r1)	4:1			

13 of 127 samples (10.2%), 1 of 88 instructions (1.1%) selected

0x90831220 0x9083137c

FIG. 1

CPU Model: 7450

Samples	Address	Code	Cycles	!	Comment	Source
3.5%	0x90831220	cmplwi r3,0x0000	1:1			
	0x90831224	beq $+292 <objc_msgSen	1:1			
5.3%	0x90831228	lwz r12,0(r3)	3:1		Stall=2, Loop	
14.2%	0x9083122c	lwz r12,32(r12)	3:1		Stall=1	
13.3%	0x90831230	stw r9,48(r1)	3:1			
3.5%	0x90831234	lwz r11,0(r12)	3:1		Stall=1	
	0x90831238	addi r9,r12,8	1:1			
12.4%	0x9083123c	slwi r11,r11,2	1:1			
0.9%	0x90831240	and r12,r4,r11	1:1			
2.7%	0x90831244	lwzx r2,r9,r12	3:1	!	Stall=1, Loop	
	0x90831248	addi r12,r12,4	1:1			
16.8%	0x9083124c	cmplwi r2,0x0000	1:1			
	0x90831250	beq $+36 <objc_msgSe	1:1			
0.9%	0x90831254	lwz r0,0(r2)	3:1		Stall=1	
	0x90831258	and r12,r12,r11	1:1			
15.0%	0x9083125c	cmplw r0,r4	1:1			
	0x90831260	bne $-28 <objc_msgSe	1:1		Loop end[2]	
0.9%	0x90831264	lwz r12,8(r2)	3:1		Stall=2	
6.2%	0x90831268	mtctr r12	*2:2			
3.5%	0x9083126c	lwz r9,48(r1)	3:1			

FIG. 2

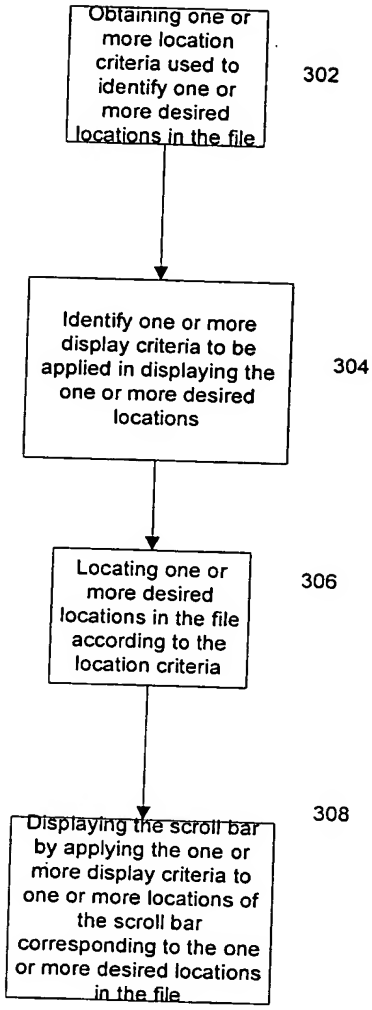

Obtaining one or more location criteria used to identify one or more desired locations in the file
302
Identify one or more display criteria to be applied in displaying the one or more desired locations
304
Locating one or more desired locations in the file according to the location criteria
306
Displaying the scroll bar by applying the one or more display criteria to one or more locations of the scroll bar corresponding to the one or more desired locations in the file
308

FIG. 3

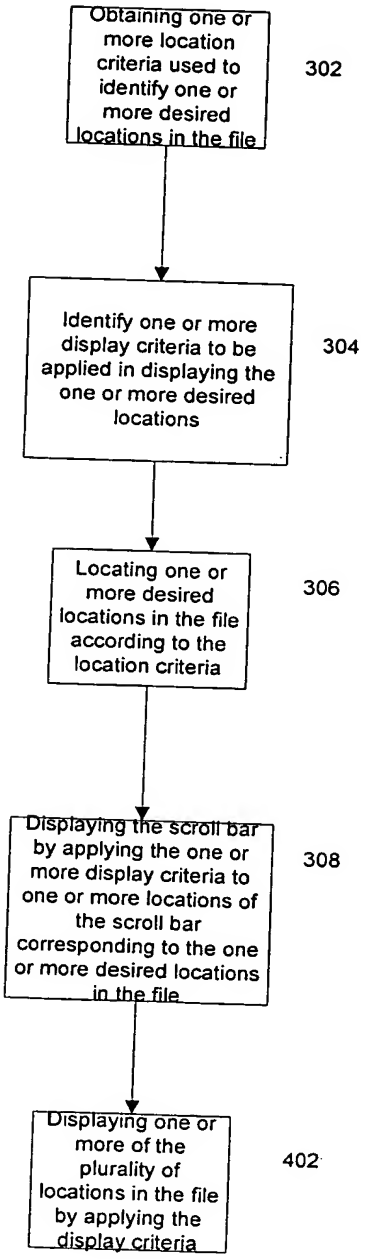

Obtaining one or more location criteria used to identify one or more desired locations in the file
302
Identify one or more display criteria to be applied in displaying the one or more desired locations
304
Locating one or more desired locations in the file according to the location criteria
306
Displaying the scroll bar by applying the one or more display criteria to one or more locations of the scroll bar corresponding to the one or more desired locations in the file
308
Displaying one or more of the plurality of locations in the file by applying the display criteria
402

FIG. 4

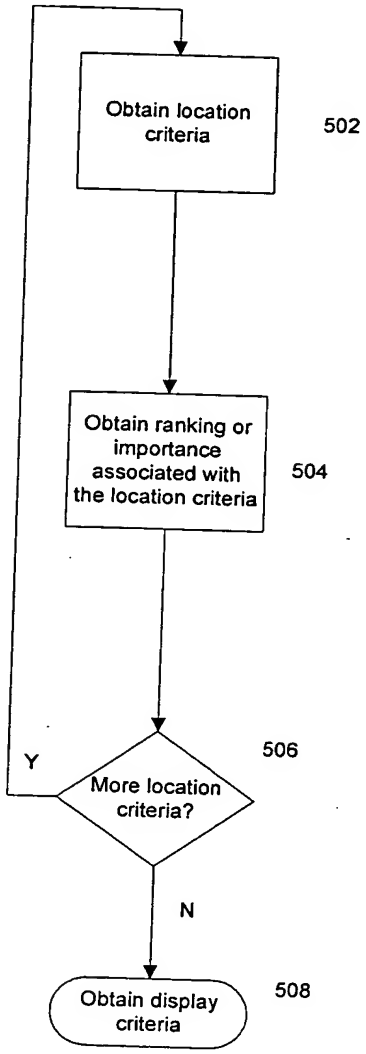

Obtain location criteria
502
Obtain ranking or importance associated with the location criteria
504
More location criteria?
506
Y
N
Obtain display criteria
508

FIG. 5

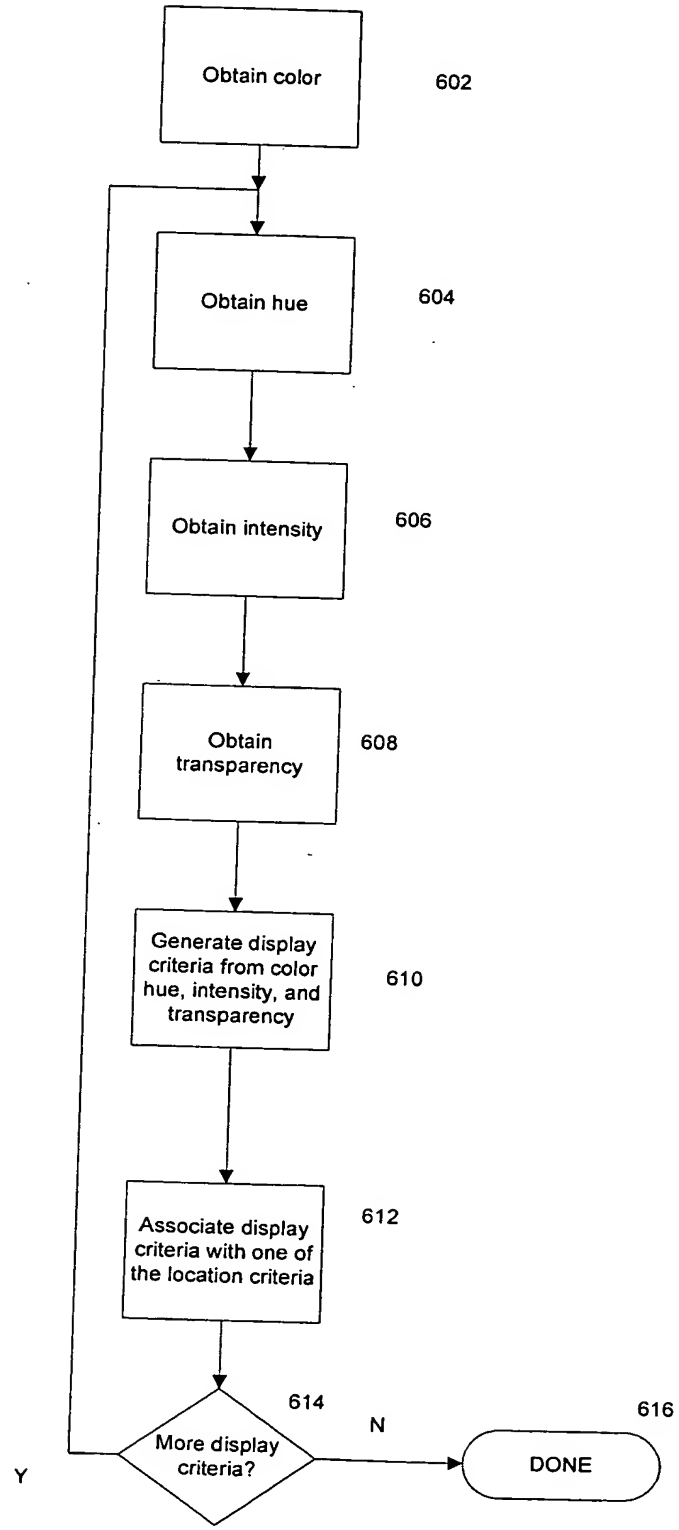

Obtain color
602
Obtain hue
604
Obtain intensity
606
Obtain transparency
608
Generate display criteria from color hue, intensity, and transparency
610
Associate display criteria with one of the location criteria
612
More display criteria?
614
Y
N
DONE
616

FIG. 6

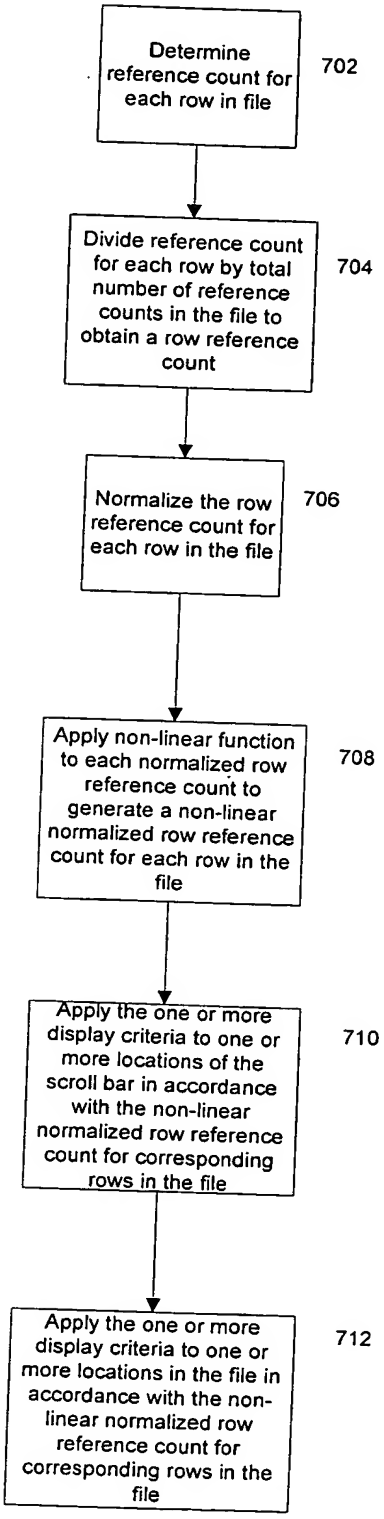
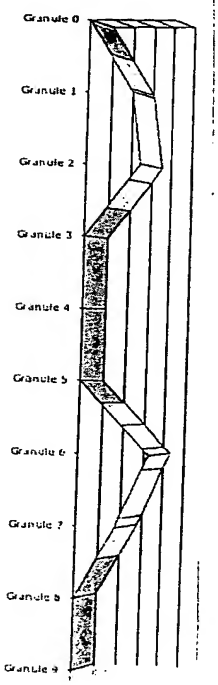
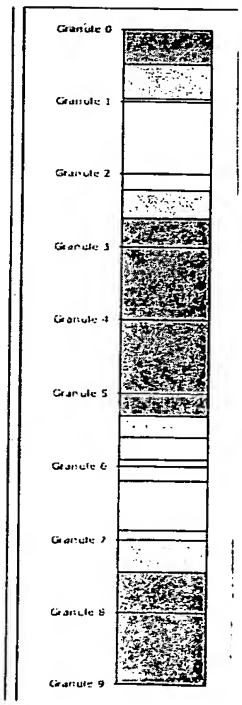

Determine reference count for each row in file
702
Divide reference count for each row by total number of reference counts in the file to obtain a row reference count
704
Normalize the row reference count for each row in the file
706
Apply non-linear function to each normalized row reference count to generate a non-linear normalized row reference count for each row in the file
708
Apply the one or more display criteria to one or more locations of the scroll bar in accordance with the non-linear normalized row reference count for corresponding rows in the file
710
Apply the one or more display criteria to one or more locations in the file in accordance with the non-linear normalized row reference count for corresponding rows in the file
712

FIG. 7

	Ref Count	Linear	Non-Linear
Granule 0	0	0.00	0.00
Granule 1	4	0.17	0.42
Granule 2	6	0.26	0.51
Granule 3	0	0.00	0.00
Granule 4	0	0.00	0.00
Granule 5	0	0.00	0.00
Granule 6	10	0.43	0.66
Granule 7	3	0.13	0.36
Granule 8	0	0.00	0.00
Granule 9	0	0.00	0.00
Total	23		

FIG. 8





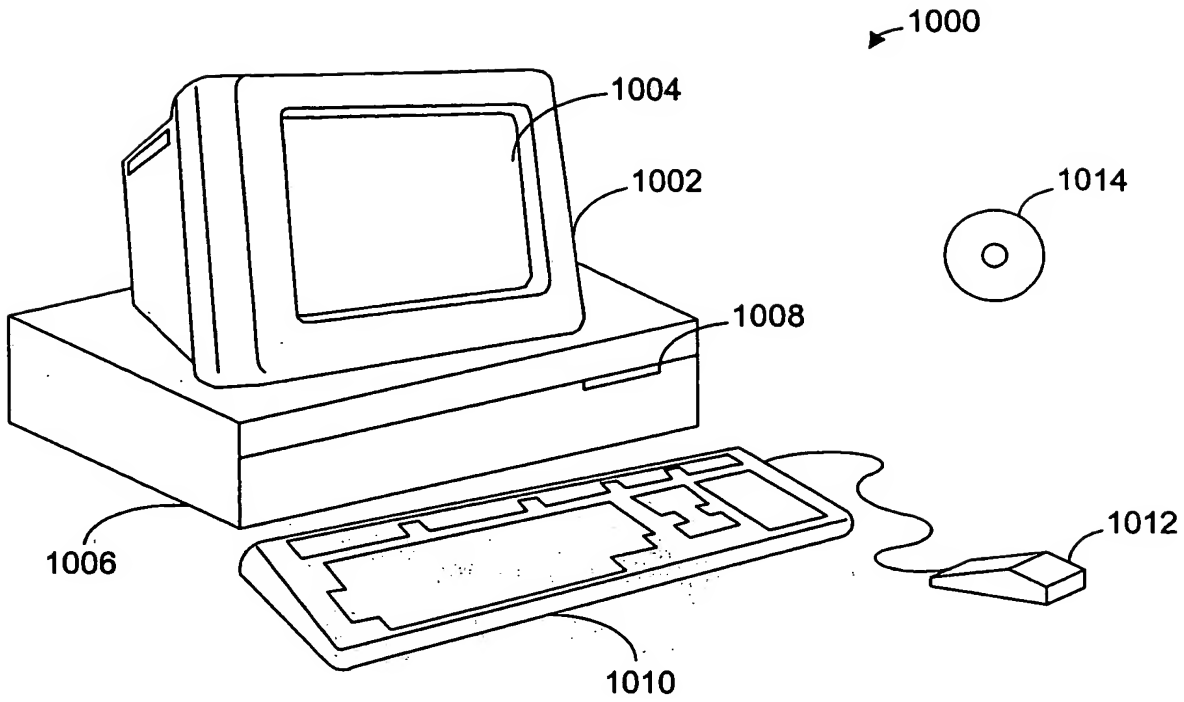

1000
1004
1002
1014
1008
1012
1006
1010

FIG. 9

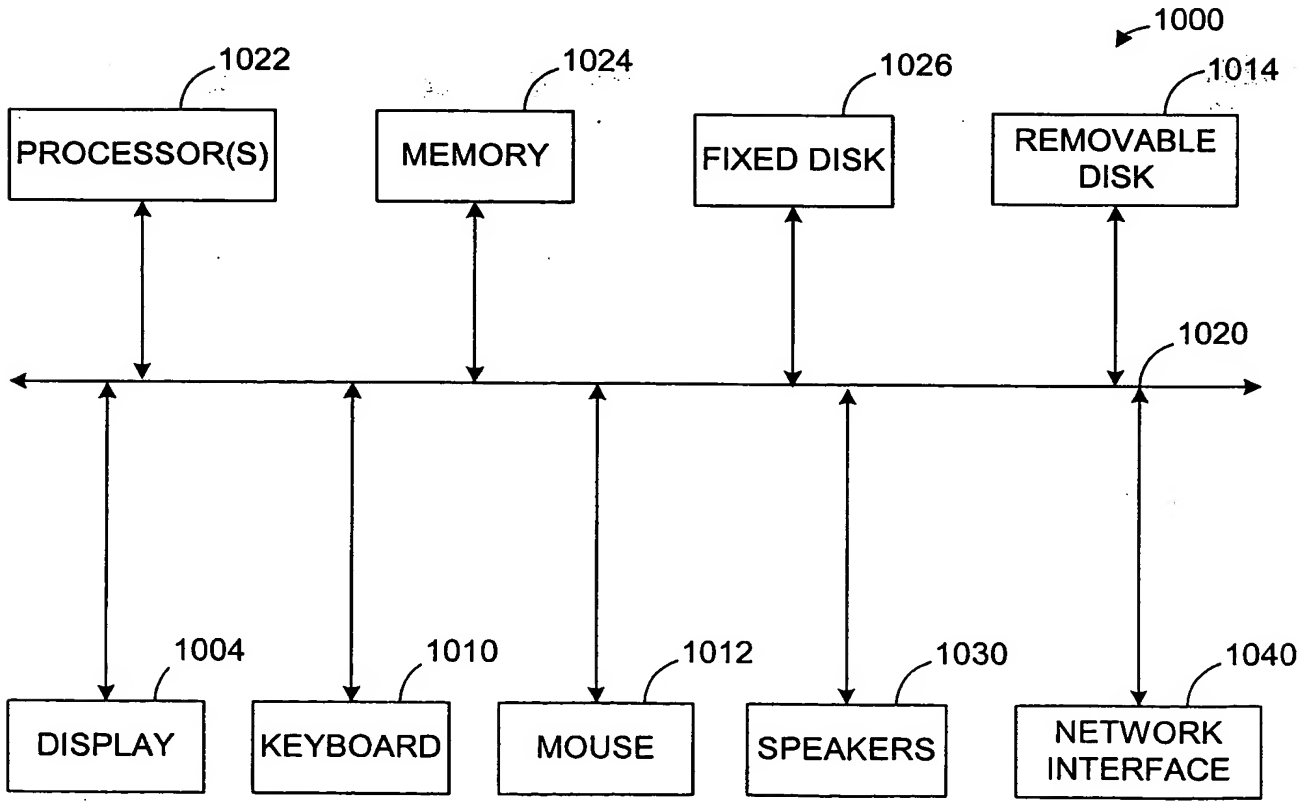

1000
1022
1024
1026
1014
PROCESSOR(S)
MEMORY
FIXED DISK
REMOVABLE DISK
1020
1004
1010
1012
1030
1040
DISPLAY
KEYBOARD
MOUSE
SPEAKERS
NETWORK INTERFACE

FIG. 10